

Figure 1: Metered Injection Pumping System for adding resid fuels

# PISTON CYCLE

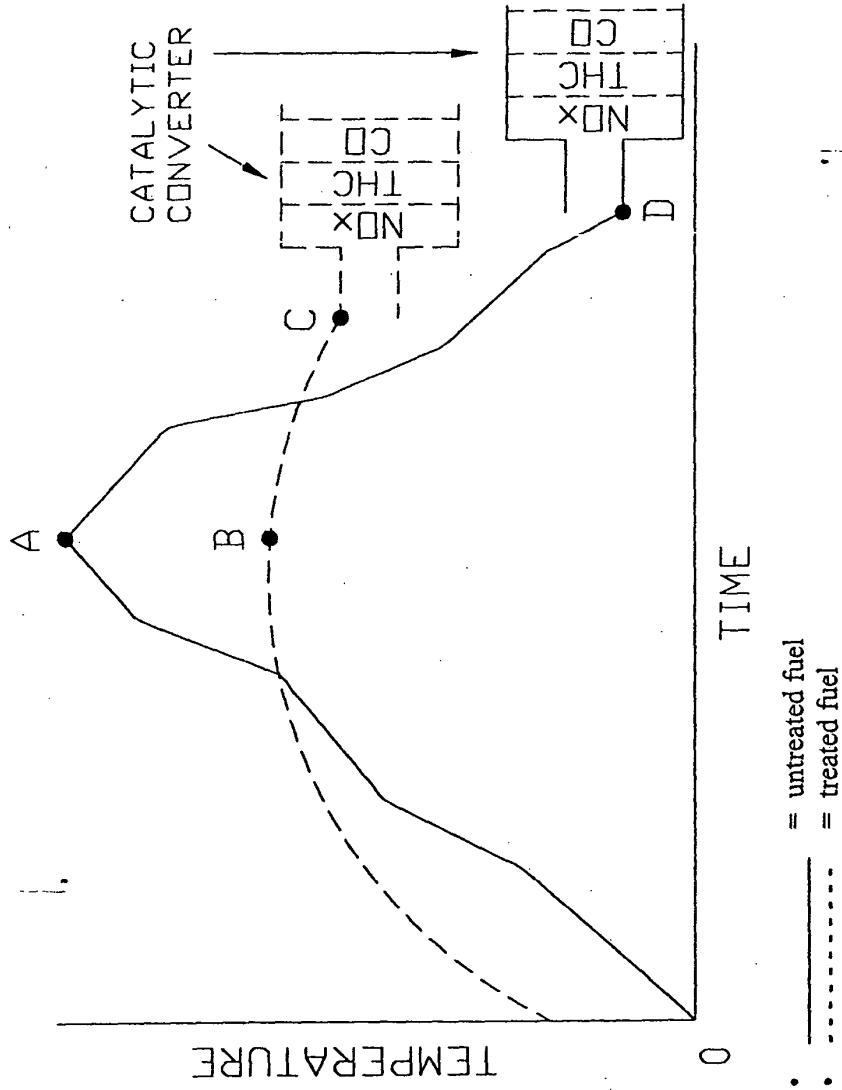


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

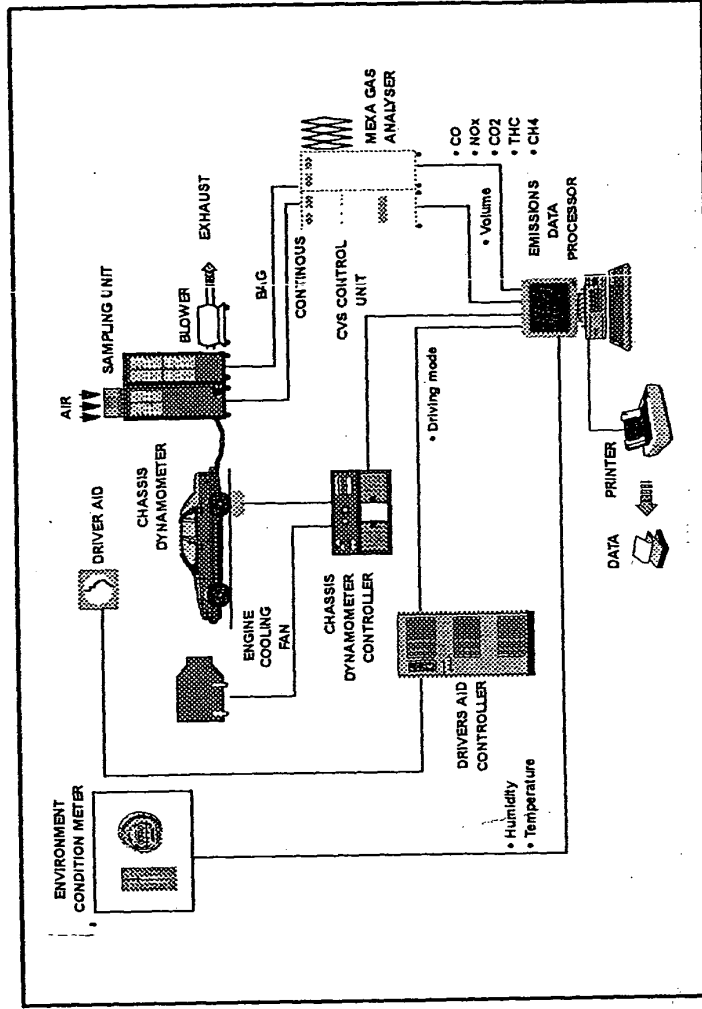


Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia

www.4mat.com

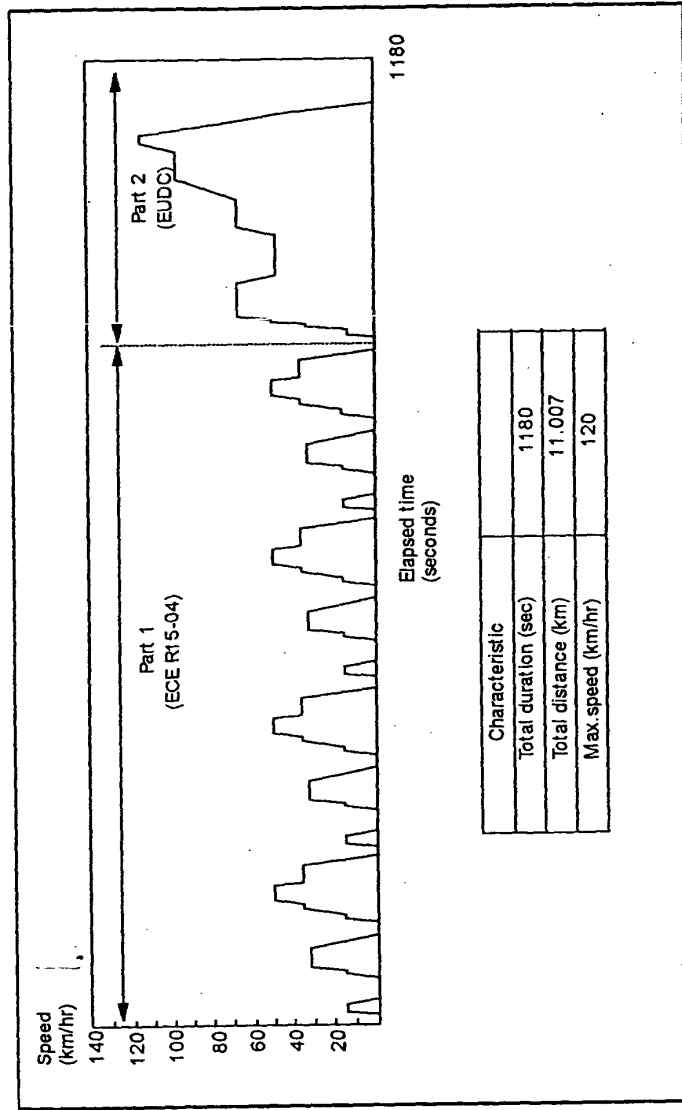
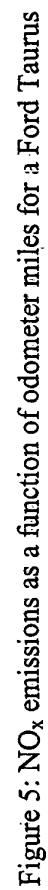


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle



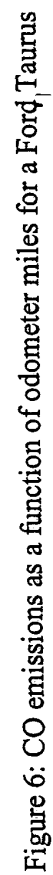


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus

2025 RELEASE UNDER E.O. 14176

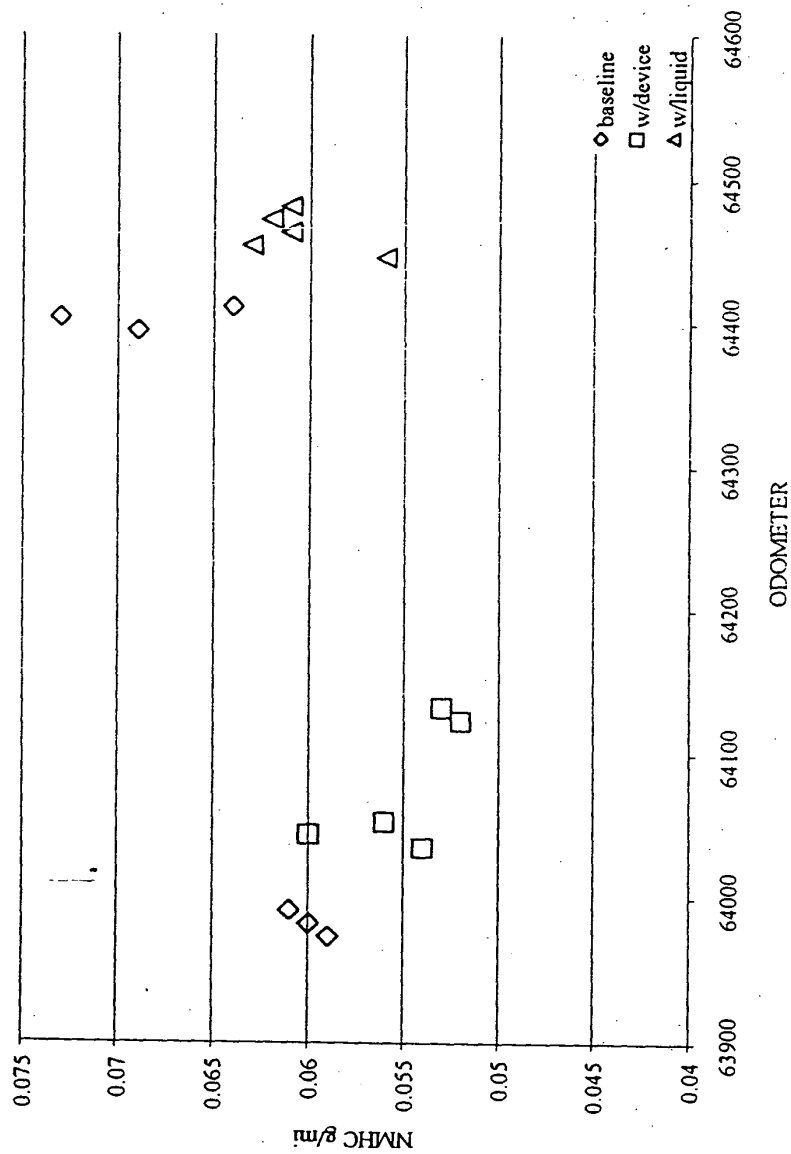


Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus

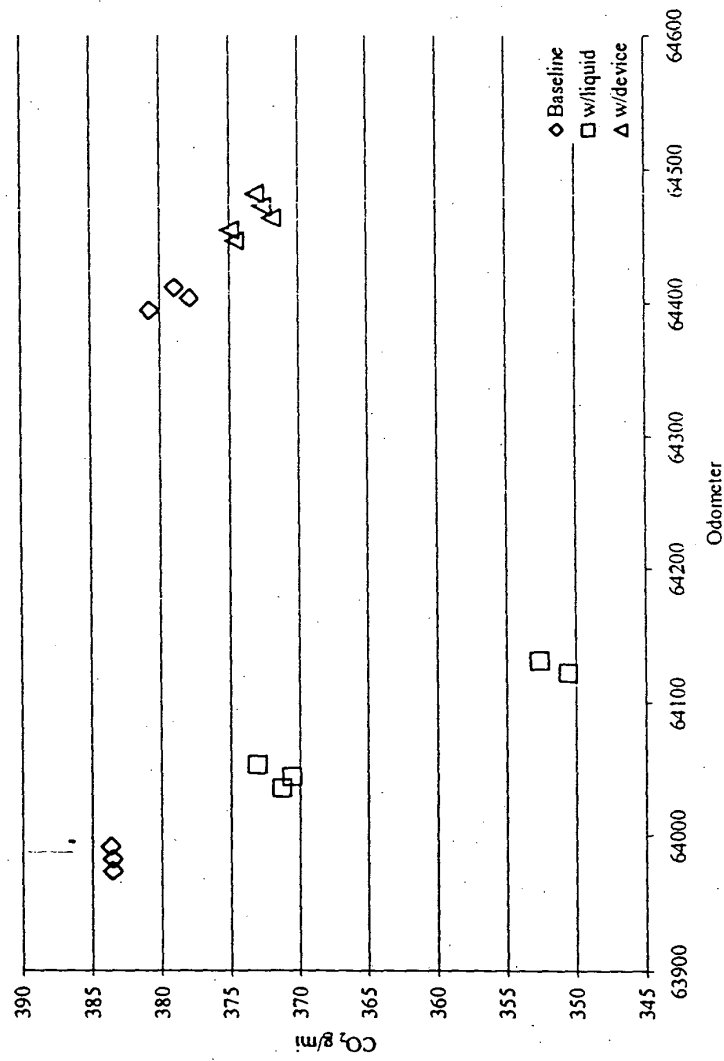
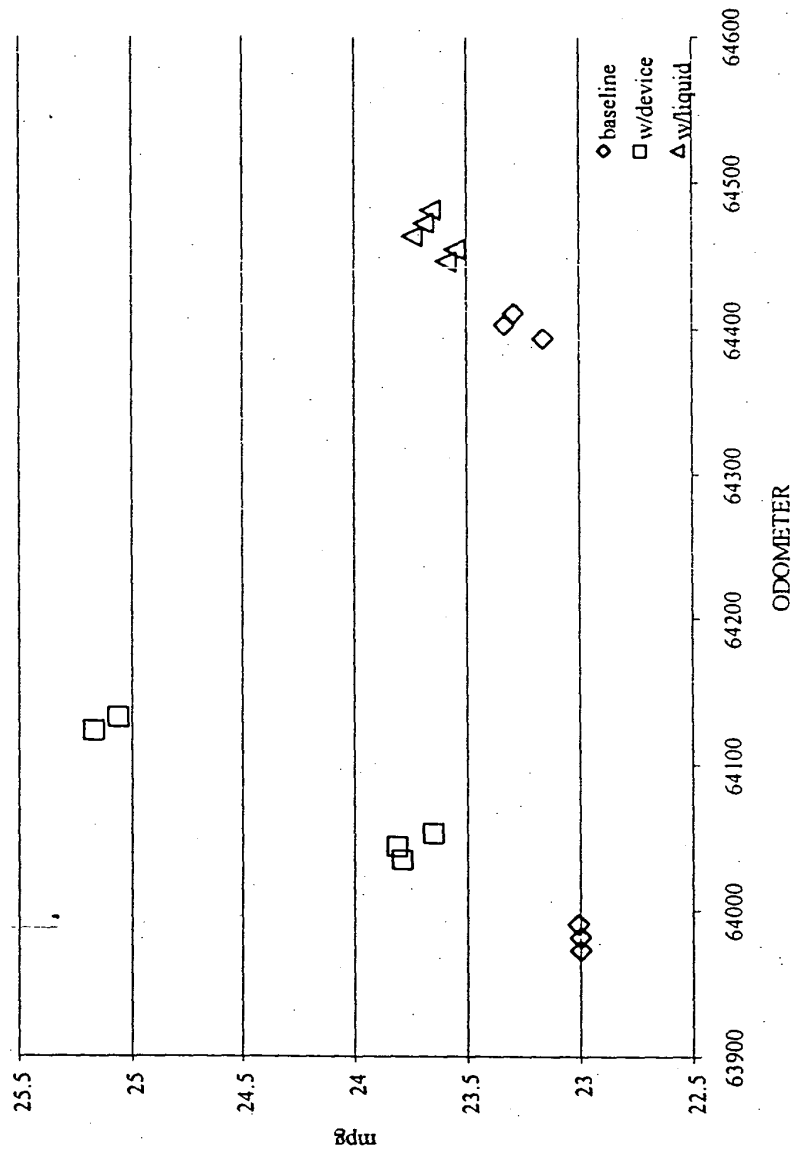


Figure 8: CO<sub>2</sub> emissions as a function of odometer miles for a Ford Taurus





101000 101200 101400 101600 101800 102000 102200 102400  
 Miles

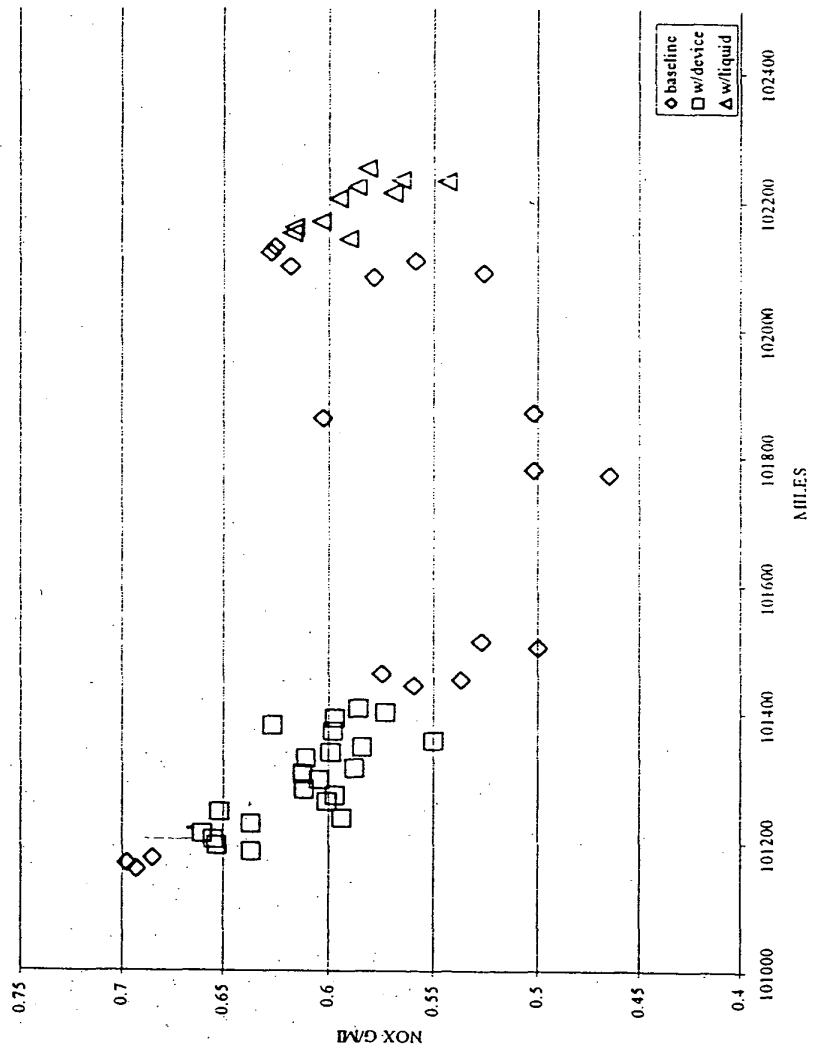


Figure 10: NO<sub>x</sub> emissions as a function of odometer miles for a Honda Accord

100900 101100 101300 101500 101700 101900 102100 102300 102500  
 ODOMETER

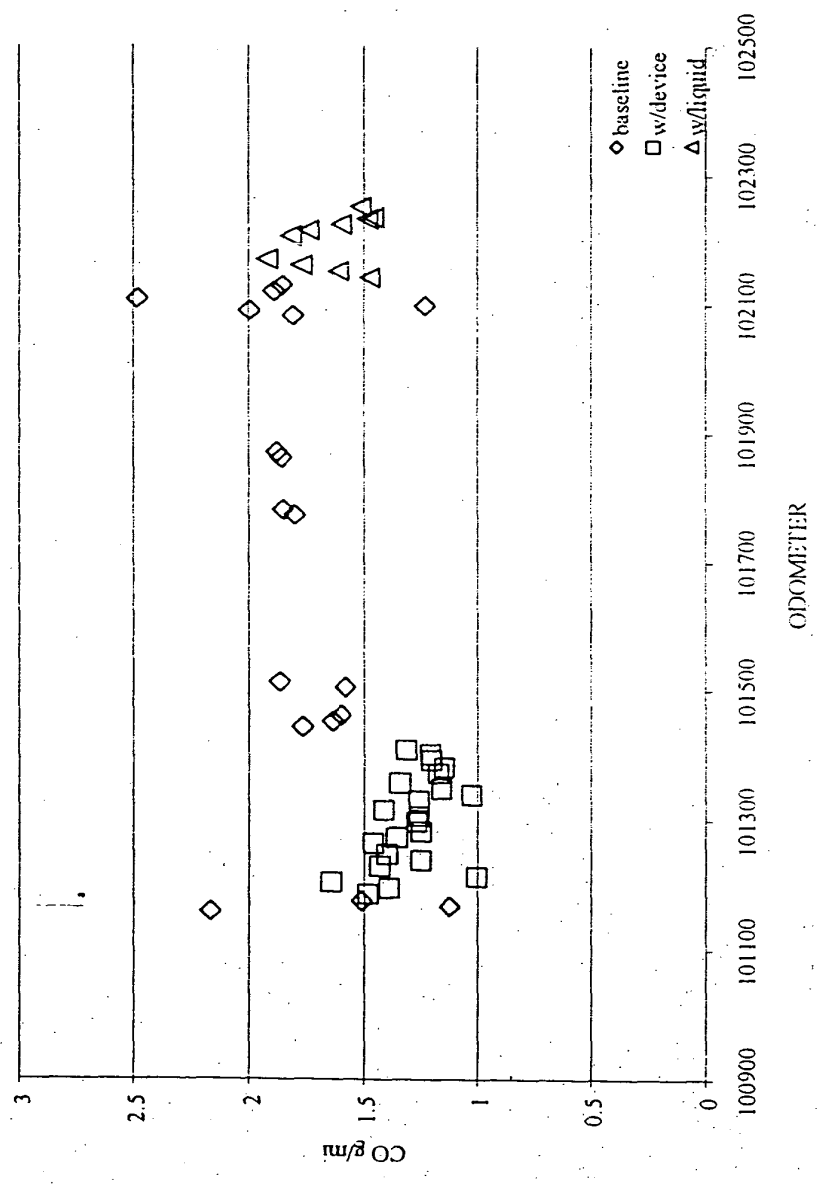


Figure 11: CO emissions as a function of odometer miles for a Honda Accord



10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00  
 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00  
 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00 10/10/00

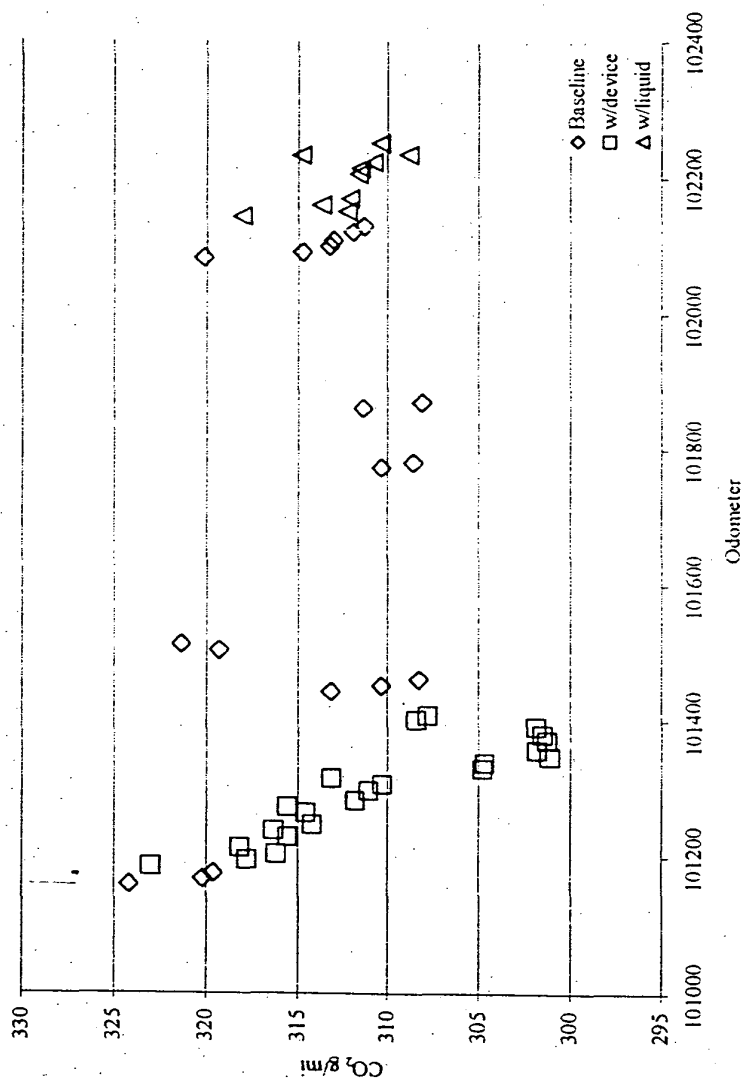
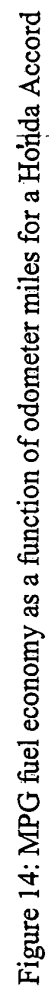


Figure 13: CO<sub>2</sub> emissions as a function of odometer miles for a Honda Accord



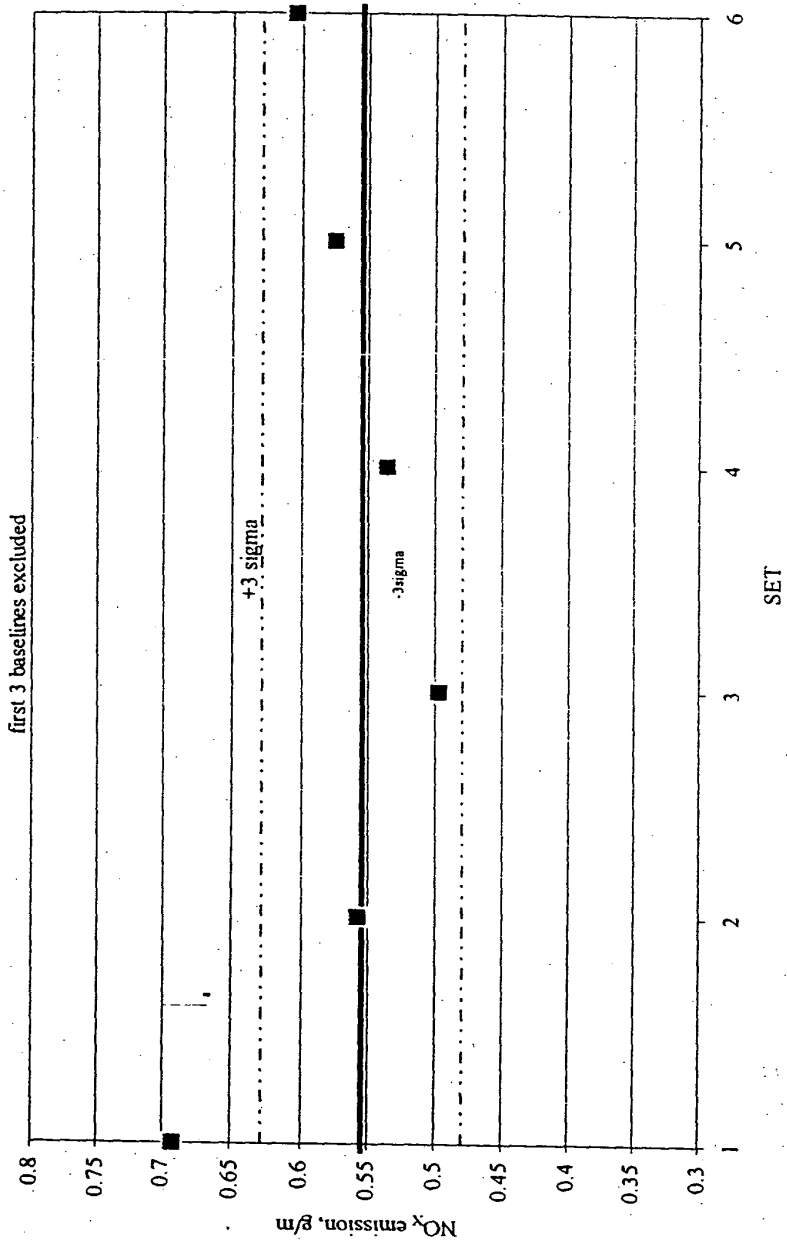


Figure 15: Shewhart Control Plot for NO<sub>x</sub> in the Honda Accord with the first three baselines excluded

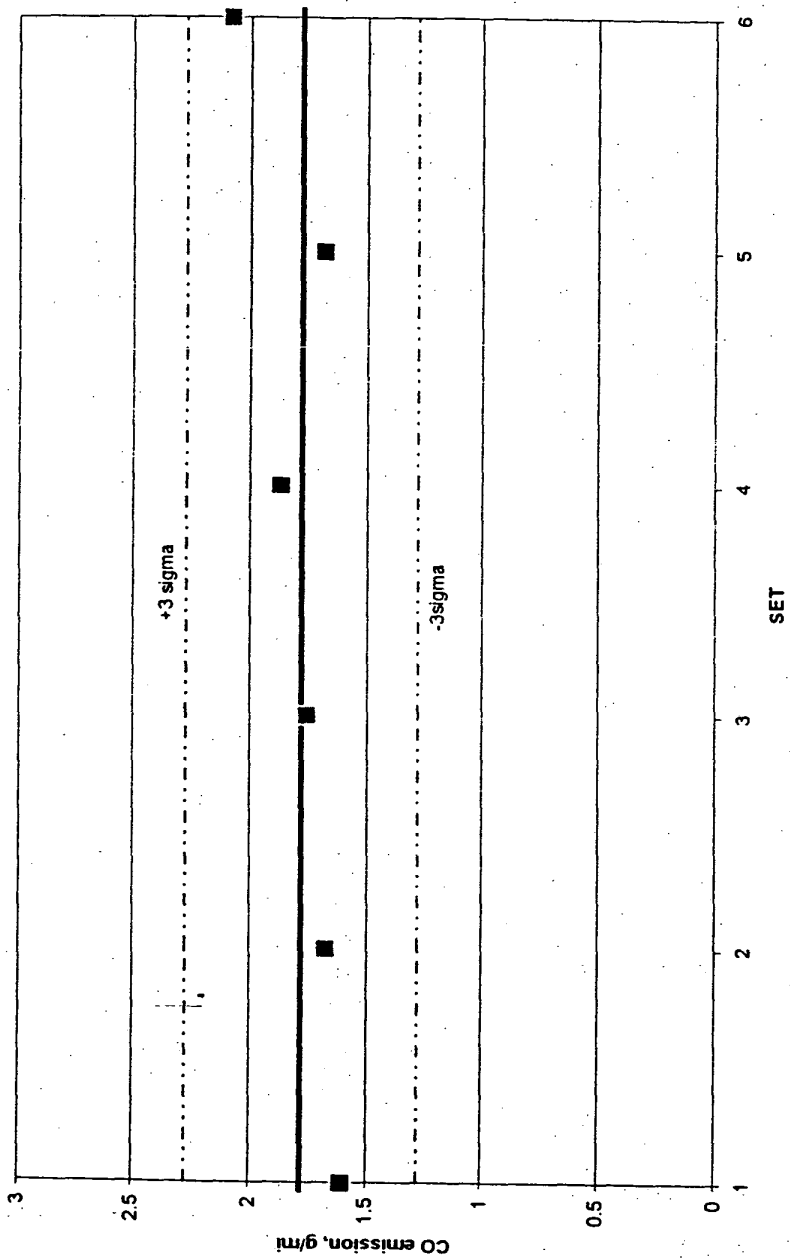


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded



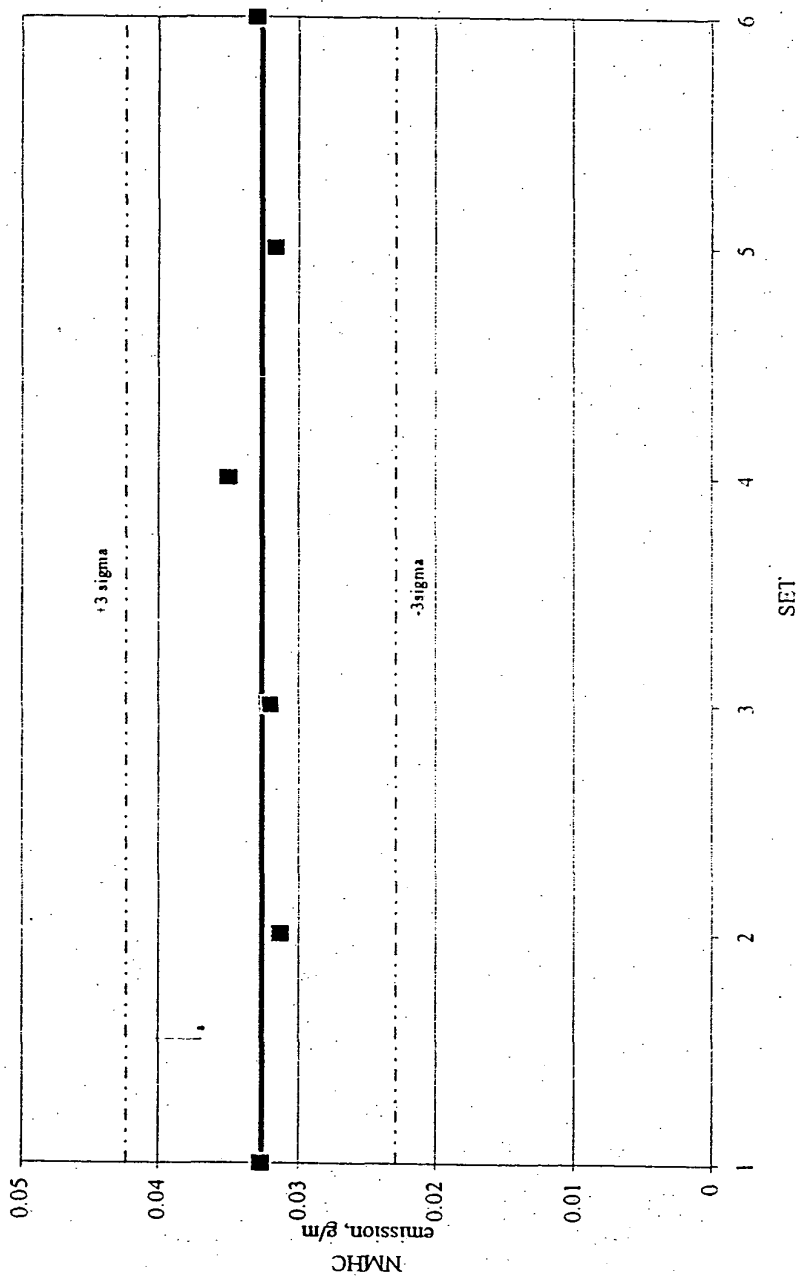


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded

CO<sub>2</sub> emission E/m

HOHDA

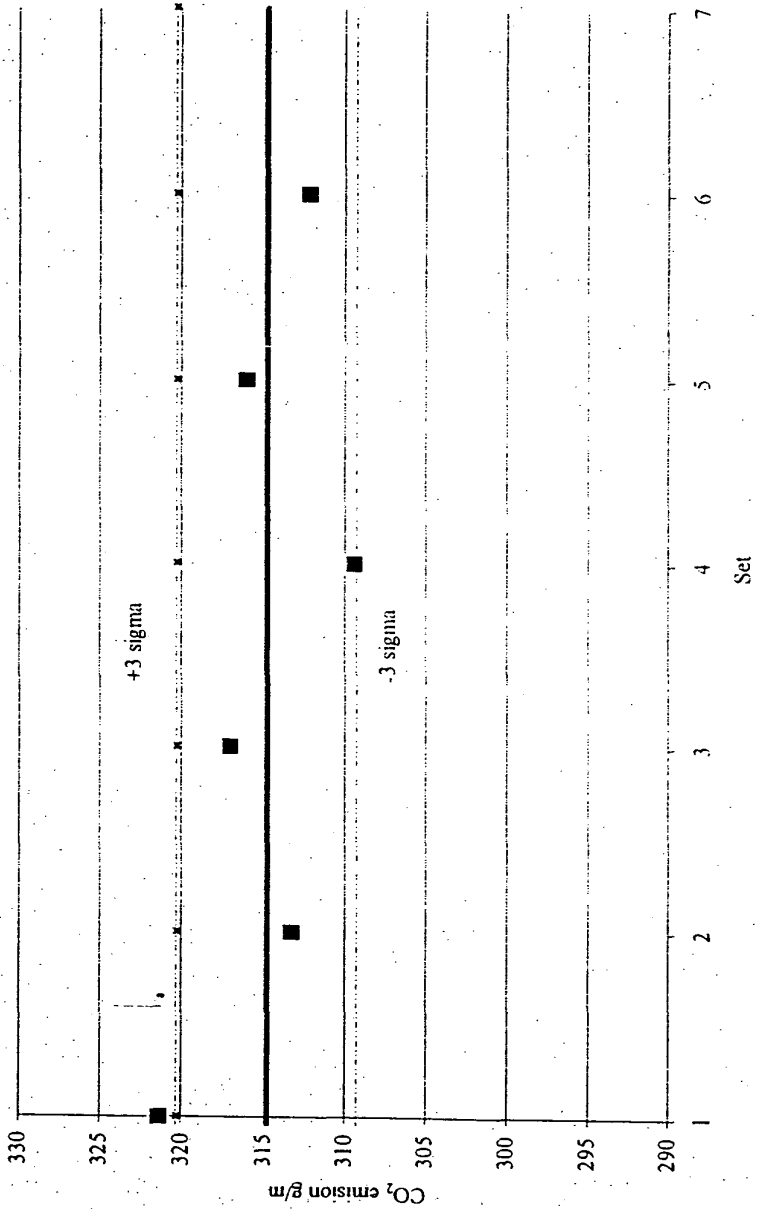


Figure 18: Shewhart Control Plot for CO<sub>2</sub> in the Honda Accord with the first three baselines excluded

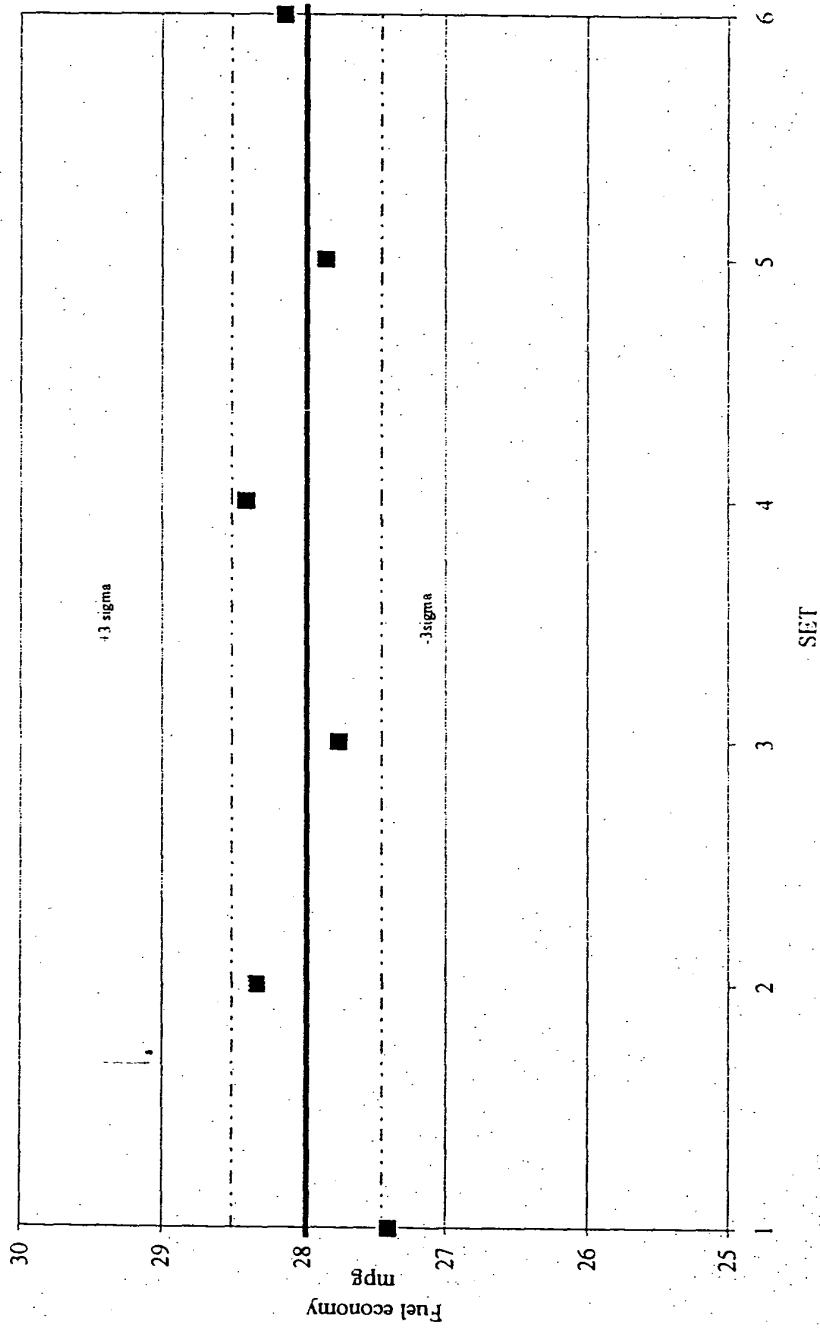


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded

